

We claim:

1. A process for the production of bulk materials containing small quantities of one or more active substances, comprising:

5 a) dissolving at least one active substance in water or optionally emulsifying said active substance with the addition of an emulsifier, to obtain an active substance composition and

b) applying said active substance-composition containing water, active substance and optionally emulsifier on to bulk material and mixing the bulk material with said active substance composition.

10 2. The process according to claim 1, wherein the bulk material is mixed feed.

3. The process according to claim 1, wherein the active substance is applied in a quantity of 10 ppm to 0.5 wt.%, based on the bulk material.

15 4. The process according to claim 1, wherein the active substance is a member selected from the group consisting of vitamins A, D, E, nicotinamide, other B vitamins, provitamins or their esters and mixtures thereof.

5. The process according to claim 1, wherein a carotinoid or a xanthophyll is used as the active substance.

20 6. The process according to claim 1, wherein an enzyme is the active substance.

7. The process according to claim 1, wherein an amino acid is the active substance.

25 8. The process according to claim 1, wherein an aqueous emulsion or solution containing an active substance content of 1 to 60 wt.%, based on total quantity, is used.

9. The process according to claim 1, wherein an aqueous emulsion or solution containing an active substance content of 1 to 50 wt.%, based on total quantity, is used.

5 10. The process according to claim 4, wherein an aqueous emulsion or solution containing an active substance content of 1 to 60 wt.%, based on total quantity, is used.

11. The process according to claim 5, wherein an aqueous emulsion or solution containing an active substance content of 1 to 60 wt.%, based on total quantity, is used.

10 12. The process according to claim 6, wherein an aqueous emulsion or solution containing an active substance content of 1 to 60 wt.%, based on total quantity, is used.

15 13. The process according to claim 7, wherein an aqueous emulsion or solution containing an active substance content of 1 to 60 wt.%, based on total quantity, is used.

14. The process according to claim 1, wherein the emulsifier is present in a quantity of 0.1 to 15 wt.%, based on the quantity of active substance.

20 15. The process according to claim 1, wherein said applying takes place within a period of > 0 min to 24 h after production of the active substance composition.